

# International workshop on 「Active Soft Matter and Ethology」

Place : RIES (Seminar room 1-2, on the 1<sup>st</sup> floor in  
Building No. 5, North campus)

Date and Time : 4<sup>th</sup> (Fri) August, 2017

Organized by  
Research Center of Mathematics for Social Creativity, RIES,  
and GI-CoRE Soft Matter, Hokkaido Univ.

- 10:00-10:40 Kei Inouye (Kyoto Univ., retired)  
Mechanism of multicellular cell movement in the cellular slime mould
- 10:45-11:25 Kenji Matsumoto (Math Dep, Hokkaido Univ.)  
3d reconstruction of amoeboid movement in *Amoeba proteus*
- 11:30-12:10 Jean Paul Rieu (Claude Bernard Lyon 1 Univ.)  
Regulation of amoeboid motility, relation with traction forces
- 12:15-12:55 Seiji Takagi (Future University Hakodate)  
Dynamic organization of birefringent fibrils and cell movement in the true slime mould
- 12:55-14:20 Lunch break
- 14:20-15:00 Naoya Fujiwara  
Re-definition of city based on GPS data of human movement
- 15:05-15:45 Takaaki Aoki (Kagawa University)  
Cities and roads as pattern formation on landscape
- 15:45-16:00 Short break
- 16:00-16:40 Akatsuki Kimura  
Emergence and reversal of cytoplasmic streaming in the *C. elegans* nematode zygote
- 16:45-17:25 Shigeru Sakurazawa (Future University Hakodate)  
Gel robot driven by BZ reactions
- 17:30-18:10 Kuniharu Ijiri (RIES, Hokkaido Univ.)  
Self-assembly of nanoparticles in solution and at surface
- 19:00-21:00 banquet dinner and free discussion

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